

2186

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Group Art Unit: 2186

Robert Barry Wood

Examiner: Bataille, Pierre Miche

Serial No.: 09/546,312

Filed: April 10, 2000

For: SYSTEM AND METHOD FOR VIRTUAL TAPE VOLUMES

Attorney Docket No.: 99-089-TAP (STK 99089 PUS)

**RECEIVED**

JUN 29 2004

Technology Center 2100

**INFORMATION DISCLOSURE STATEMENT**

Mail Stop Amendment  
Commissioner for Patents  
U.S. Patent & Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and § 1.97-1.98, the references listed and identified on the attached Forms PTO/SB08A and/or SB08B are being submitted herewith for consideration by the Examiner.

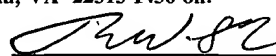
While this Statement is being filed in compliance with the duty of disclosure, citation of the attached references is not to be construed as an admission that any of the reference(s) are "material" as defined under 37 C.F.R. § 1.56(b).

**CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8**

I hereby certify that this paper, including all enclosures referred to herein, is being deposited with the United States Postal Service as first-class mail, postage pre-paid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, U.S. Patent & Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on:

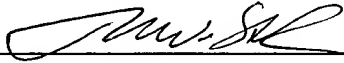
June 4, 2004  
Date of Deposit

Thomas W. Saur  
Name of Person Signing

  
Signature

If the filing date of this application is on or before June 30, 2003, a copy of each reference listed on the attached Forms PTO/SB08A and/or SB08B is included herewith. If this application was filed after June 30, 2003, copies of any cited U.S. patent/application references have not been included. Consideration and entry into the record of these references is respectfully requested.

Respectfully submitted,  
**Robert Barry Wood**

By:   
Thomas W. Saur  
Reg. No. 45,075  
Attorney/Agent for Applicant

Date: June 4, 2004

**BROOKS KUSHMAN P.C.**  
1000 Town Center, 22nd Floor  
Southfield, MI 48075-1238  
Phone: 248-358-4400  
Fax: 248-358-3351

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		✓	CA 892798		IBM Corporation	02-08-1972		
		✓	GB 1,167,762		Burroughs Corp.	10-22-1969	.	
		✓	GB 1,353,770		IBM Corporation	05-22-1974		
		✓	GB 1,359,662		Honeywell Inf. Sys	07-10-1974		
			GB 1,496,779		Honeywell Inf. Sys	01-05-1978		
			GB 1,547,381		Honeywell Inf. Sys	06-20-1979		
		✓	GB 2 063 532	B	Storage Technology	06-03-1981		
			JP 51-18409		Hitachi Ltd.	02-14-1976		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/546,312
				Filing Date	April 10, 2000
				First Named Inventor	Robert Barry Wood
				Group Art Unit	1726
				Examiner Name	Bataille, Pierre Miche
Sheet	2	of	4	Attorney Docket Number	99-089-TAP / STK 99089 PUS

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
		✓ JP	53-98741		Nippon Electric	08-29-1978		
		✓ JP	55-153058		Fujitsu Limited	11-28-1980		
		✓ JP	55-164958		Memorex Corp.	12-23-1980		
		✓ JP	4-48250			08-06-1992		
		✓ JP	53-84632			07-26-1978		
		✓ JP	52-106641			09-07-1977		
		✓ JP	53-108747		Honeywell Inf. Sys	09-21-1978		
		✓ JP	53-022331		Fujitsu Electric	03-01-1978		

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>8</sup> Applicant is to place a check mark here if English language Translation is attached.



<b>Substitute for Form 1449B/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/546,312
				Filing Date	April 10, 2000
				First Named Inventor	Robert Barry Wood
				Group Art Unit	2186
				Examiner Name	Bataille, Pierre Miche
Sheet	3	of	4	Attorney Docket Number	99-089-TAP (STK 99089 PUS)

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		Plaintiffs' Notice Pursuant to 35 U.S.C. § 282, Sutmyn Storage Corp et al. v. Storage Technology Corp., Civil Action Nos. C97 20105 RMW (EAI) and C97 20629 RMW (EAI)	
		Protest Of Reissue Application Under 37 C.F.R. § 1.291, In re application of: Application No. 08/934,732, filed: September 22, 1977; For: VIRTUAL STORAGE SYSTEM AND METHOD	
		USPTO - In re application of Application No.: 08/934,732, Filed: September 22, 1997 For: Virtual Storage System and Method - Information Disclosure Statement and PTO Form 1449 accompanying Protest Of Reissue Application Under 37 C.F.R. § 1.291, dated 7/19/99	
		Sutmyn Storage Corporation, et al. v. Storage Technology Corporation and Storage Technology Corporation v. Sutmyn Storage Distribution Co., C97-20105 RMW, C97 20629 RMW, Findings of Fact and Conclusion of Law, dated March 18, 2003.	
		Boggs, J.K. Jr., "Virtual Input/Output Channels for a Digital Computer," IBM Technical Disclosure Bulletin, vol. 20; No. 1, June 1977, pp. 110-112. (Partial. All available information provided.)	
		Conti, C.J.; et al., "Structural aspects of the System/360 Model 85: General organization", IBM Systems Journal, vol. 7, No. 1, pp. 2-14, 1968. (Partial. All available information provided.)	
		IBM, "Reference manual for IBM 3830 Storage Control Model 1 and IBM 3330 Disk Storage", GA-26-1592-5, 6 <sup>th</sup> Ed., November 1976 ((c) 1971).	
		MASSTOR, Shell Oil Proposal, December 18, 1978	
		Nishimukai, T., et al. "Universal IO Device Controller by Using Programmable Logic Arrays (PLA)", Conference Record, 11 <sup>th</sup> Asilomar Conference on Circuits, Systems and Computers, November 1977, pp. 477-480.	

RECEIVED

JUN 29 2004

Technology Center 2100

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Substitute for Form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/546,312
				Filing Date	April 10, 2000
				First Named Inventor	Robert Barry Wood
				Group Art Unit	2186
				Examiner Name	Bataille, Pierre Miche
				Attorney Docket Number	99-089-TAP (STK 99089 PUS)
Sheet	4	of	4		

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

[illegible]

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.